

1550nm 1xN MM PLC Splitter

1550nm 1xN Multimode Planar Lightwave Circuit (PLC) is a fiber optic component built with silica optical waveguide technology, it's used to split the signal optical power with even ratio, the Multimode fiber can be 50/125 or 62.5/125 fiber, it's widely applied in fiber optic sensor, testing systems and optical power distribution field.

Application:

Fiber Optic Sensor
Testing System
Telecommunication
Optical Power Distribution

Features:

Low PDL
Compact Package
Low Insertion Loss
High Reliability



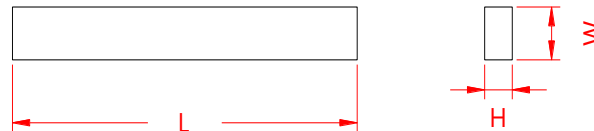
Specification:

Parameter	Symbo	Value						Unit
Configuration		1x2	1x4	1x8	1x16	1x32	1x64	-
Operating Wavelength	λ	1550						nm
Max. Insertion Loss	IL	3.8	7.2	10.3	13.5	16.5	20.5	dB
Max. Insertion Loss Uniformity		0.4	0.6	0.8	1.0	1.5	2.0	dB
Max. Polarization Dependent Loss	PDL	0.1	0.1	0.1	0.2	0.25	0.3	dB
Max. Wavelength Dependent Loss	WDL	0.3	0.3	0.3	0.3	0.5	0.5	dB
Package Dimension	For 250um Bare Fiber	40x4x4	40x4x4	40x4x4	50x7x4	50x7x4	60x12x4	mm
	For 900um Loose Tube	60x7x4	60x7x4	60x7x4	60x12x4	80x12x6	100x40x6	mm
Min. Directivity		35						dB
Min. Return Loss	RL	35						dB
Fiber Type		50/125, 62.5/125 MM fiber						-
Max. Tensile Load		5						N
Max. Optical Power (CW)	P	500						mW
Operating Temperature	T	-5~75						°C
Storage Temperature	T	-40~85						°C

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Drawing



Ordering Information (Part Number):

MMPLC-WWWW-PPP-FF-J-LL-CC					
WWW	PPP	FF	J	LL	CC
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber length	Connector
1310 - 1310nm	102 - 1x2	M5 - 50/125 MM fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None
1550 - 1550nm	104 - 1x4	M6 - 62.5/125 MM Fiber	9 - 900um Loose Tube	08 - 0.8m	FA - FC/APC
	108 - 1x8	SS - Specify	2 - 2.0mm Loose Tube	10 - 1.0m	FU - FC/UPC
	116 - 1x16		3 - 3.0mm Loose Tube	15 - 1.5m	SA - SC/APC
	132 - 1x32		20 - 2.0	SU - SU/APC	
	164 - 1x64		SS - Specify	LA - LC/APC	
	SSS - Specify			LU - LC/UPC	
					SS - Specify